

## PUBLIC NOTICE

Dow Corning Corporation  
Pursuant to Groundwater Assessment Report # AIN20080001  
Agency Interest # 703 / Permit # 021-00008

The Energy and Environment Cabinet, Division of Waste Management plans to approve a Groundwater Assessment Report received from the Dow Corning Corporation in Carrollton, Kentucky concerning the on-site residual landfill aka Southwest Landfill. This report was submitted in accordance with 401 KAR 48:300 Section 8 that requires landfill owners to submit a Groundwater Assessment Report to address specific groundwater monitoring results in monitoring wells at the landfill that exceed compliance levels. The report briefly describes landfills groundwater monitoring system, the assessment investigation, and determines the probable cause(s) for the elevated constituents detected by the facilities groundwater monitoring system.

The findings of the Groundwater Assessment Report No. AIN20080001 identified monitoring wells that detected low level volatile organic chemicals (VOCs) namely 1,1,1-Trichlorethane, and its breakdown products of 1,1-Dichloroethane and 1,1-Dichloroethene at levels significantly below their primary drinking standards. Additional monitoring parameters, calcium, chloride, magnesium, specific conductance, total dissolved solids and chemical oxygen demand were detected in the downgradient compliance wells at levels statistically higher than the upgradient background monitoring wells. This indicates impacts to groundwater from landfill leachate.

Dow Corning maintains a groundwater withdrawal well field on site that yields up to 16.5 million gallons per day for its operation. The groundwater withdrawal field creates an inward flow gradient where groundwater flows onto their site and any contaminated groundwater from the landfill would be captured. The groundwater is then used as non contact cooling water and either reinjected into the alluvial aquifer under the site to be reused or sent to the wastewater treatment plant which then is ultimately discharged to the Ohio River in accordance with the Kentucky Pollutant Discharge Permit KY0001279.

Due to the low levels of contamination detected, type of contamination and the active containment of the plume through on site use of groundwater, a Corrective Action Plan will not be required. The permittee is required by their landfill operating permit to monitor and maintain an inward gradient in the area of the landfill so as to prevent the documented landfill leakage from spreading to adjacent properties.

The facility may be accessed by traveling northeast from Carrollton, KY on Highway 42 approximately one mile to the landfill.

The name and address of the permit applicant and facility is:

Dow Corning Corporation  
4770 Highway 42 East  
P.O. Box 310  
Carrollton, KY 41008  
Contact Person: Michael Anderson (502) 732-2648

The Groundwater Assessment Report is being processed at the following address:

Division of Waste Management  
Solid Waste Branch  
200 Fair Oaks Lane, 2<sup>nd</sup> floor  
Frankfort, KY 40601  
(502)564-6716

The Groundwater Assessment Report and related information can be reviewed at the Division of Waste Management's Frankfort office between 8:30 AM and 4:00 PM weekdays by appointment only. To make an appointment, submit a written request 72 hours prior to the desired review date. Requests can be faxed to (502) 564-9232 or mailed to Ms. Tina Fisher at the above address.

A copy of the Groundwater Assessment Report is available for public inspection at the Carroll County Public Library, 136 Court Street, during regular library hours.

Any person who wishes to comment on the Groundwater Assessment Report may submit written comments and, if desired, request that the Cabinet conduct a public meeting. Comments or meeting requests must be submitted in writing to: Ronald Gruzesky, P.E., Division of Waste Management, 200 Fair Oaks Lane, 2<sup>nd</sup> Floor, Frankfort, KY 40601, by the close of business Friday June 19, 2009, the end of the 30-day comment period. Please reference Agency Interest # 703 and Report # AIN20080001 on any correspondence.

The Cabinet does not discriminate on the basis of race, color, religion, sex, national origin, age, disability or veteran status. The Cabinet provides, on request, reasonable accommodations necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities. To request materials in an alternate format, contact Anita Young at (502) 564-6716. Publication of this notice is pursuant to 401 KAR 48:300.